

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

In re Application of:

THOMAS FEUDEL  
CHRISTIAN KRUEGER  
LUTZ HERRMANN

Serial No.: 10/602,583

Filed: June 24, 2003

For: SEMICONDUCTOR DEVICE HAVING  
AN IMPROVED STRAINED SURFACE  
LAYER AND METHOD OF FORMING  
A STRAINED SURFACE LAYER IN A  
SEMICONDUCTOR DEVICE

Examiner: William M. Brewster

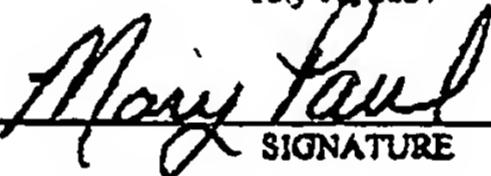
Group Art Unit: 2823

Att'y Docket: 2000.106100/DE0107

Customer No.: 23720


RESPONSE TO COMMUNICATIONS FROM EXAMINERMail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

CERTIFICATE OF TRANSMISSION	
I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office: 571-273-1854, on the date below.	
July 16, 2004	
 _____ SIGNATURE	

This paper is submitted in response to telephone conferences with Examiner Brewster on July 16, 2004 and July 20, 2004. At the Examiner's request, this response is being sent to the Examiner by facsimile (571-273-1854)

A fee in the amount of \$258 is believed to be due in connection with the present paper. The Director is authorized to deduct such fee, and any other fees required under 37 C.F.R. §§ 1.16 to 1.21, from Advanced Micro Devices, Inc. Deposit Account No. 01-0365/DE0107. In the event the monies in that account are insufficient, the Director is authorized to withdraw funds from Williams, Morgan & Amerson, P.C. Deposit Account No. 50-0786/2000.106100.

Reconsideration of the application in view of the following amendments and remarks is respectfully requested.

Serial No. 10/602,583

REMARKS

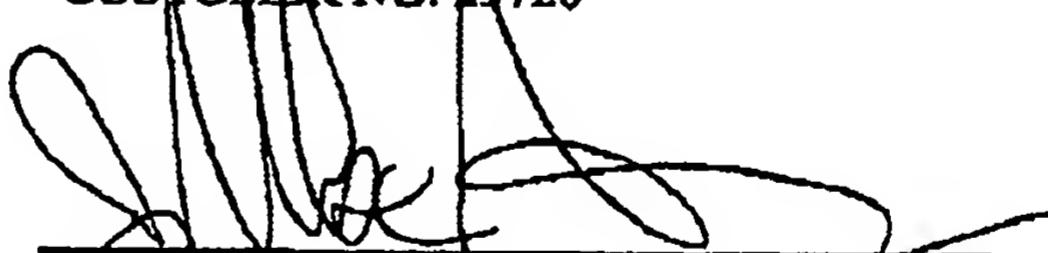
Pursuant to the present amendment, claims 20-21 have been canceled, claims 1-2 and 18-19 have been amended and new claims 22-29 have been added. Thus, claims 1-4, 6-7, 18-19 and 22-29 are pending in the present application. No new matter has been introduced by way of the present amendment. Reconsideration of the present application is respectfully requested in view of the amendments and arguments set forth herein.

In teleconferences held on July 16, 2004 and July 20, 2004, Examiner Brewster indicated that dependent claims 2 and 20, to the extent they were limited to xenon, argon and germanium, or combinations thereof, would be allowable if rewritten in independent form. Pursuant to the present amendment, independent claims 1 and 18 have been amended to recite that the germanium ions are implanted as described therein. In new independent claims 22 and 24, xenon is identified as the implanted ions. In new independent claims 26 and 28, argon is identified as the implanted ions.

In view of the foregoing, it is respectfully submitted that all pending claims are in condition for immediate allowance. Pursuant to the Examiner's request, this response is being sent to him via facsimile (571-273-1854). The Examiner is invited to contact the undersigned attorney at (713) 934-4055 with any questions, comments or suggestions relating to the referenced patent application.

Respectfully submitted,

WILLIAMS, MORGAN & AMERSON  
CUSTOMER NO. 23720



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ATTORNEY FOR APPLICANTS

PATENT APPLICATION FEE DETERMINATION RECORD  
Effective October 1, 2003

Application or Docket Number

10/602583

CLAIMS AS FILED - PART I

(Column 1) (Column 2)

TOTAL CLAIMS			
FOR		NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS		minus 20 =	*
INDEPENDENT CLAIMS		minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT			<input type="checkbox"/>

\* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

(Column 1) (Column 2) (Column 3)

AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		
					Rate	Fee
Total	*	14	Minus	** 21 =		
Independent	+	6	Minus	*** 3 = 3		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM					<input type="checkbox"/>	

SMALL ENTITY  
TYPE

RATE	Fee
BASIC FEE	385.00
X\$ 9=	
X43=	
+145=	
TOTAL	

OTHER THAN  
OR SMALL ENTITY

RATE	Fee
BASIC FEE	770.00
X\$18=	
X86=	
+290=	
OR TOTAL	

OTHER THAN  
SMALL ENTITY

RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
X\$ 9=		X\$18=	
X43=		X86=	258 00
+145=		+290=	
TOTAL ADDITIONAL FEE		TOTAL ADDITIONAL FEE	<i>plus</i>

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		
					Rate	Fee
Total	*	Minus	**	=		
Independent	*	Minus	***	=		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM					<input type="checkbox"/>	

RATE	ADDITIONAL FEE
X\$ 9=	
X43=	
+145=	
TOTAL ADDITIONAL FEE	

RATE	ADDITIONAL FEE
X\$18=	
X86=	
+290=	
TOTAL ADDITIONAL FEE	

RATE	ADDITIONAL FEE
X\$ 9=	
X43=	
+145=	
TOTAL ADDITIONAL FEE	

RATE	ADDITIONAL FEE
X\$18=	
X86=	
+290=	
TOTAL ADDITIONAL FEE	

AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		
					Rate	Fee
Total	*	Minus	**	=		
Independent	*	Minus	***	=		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM					<input type="checkbox"/>	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.